

Weekly Influenza Summary:

No laboratory-confirmed cases of influenza were reported to the Arizona Department of Health Services during the first five weeks (weeks 40-44) of the 2008-2009 influenza season. The influenza-like-illness (ILI) rate was at the state baseline for week 42 and higher than the state baseline for week 43. However, the ILI rate for week 43 is based on data from fewer than 12 reporting sites through out the state.

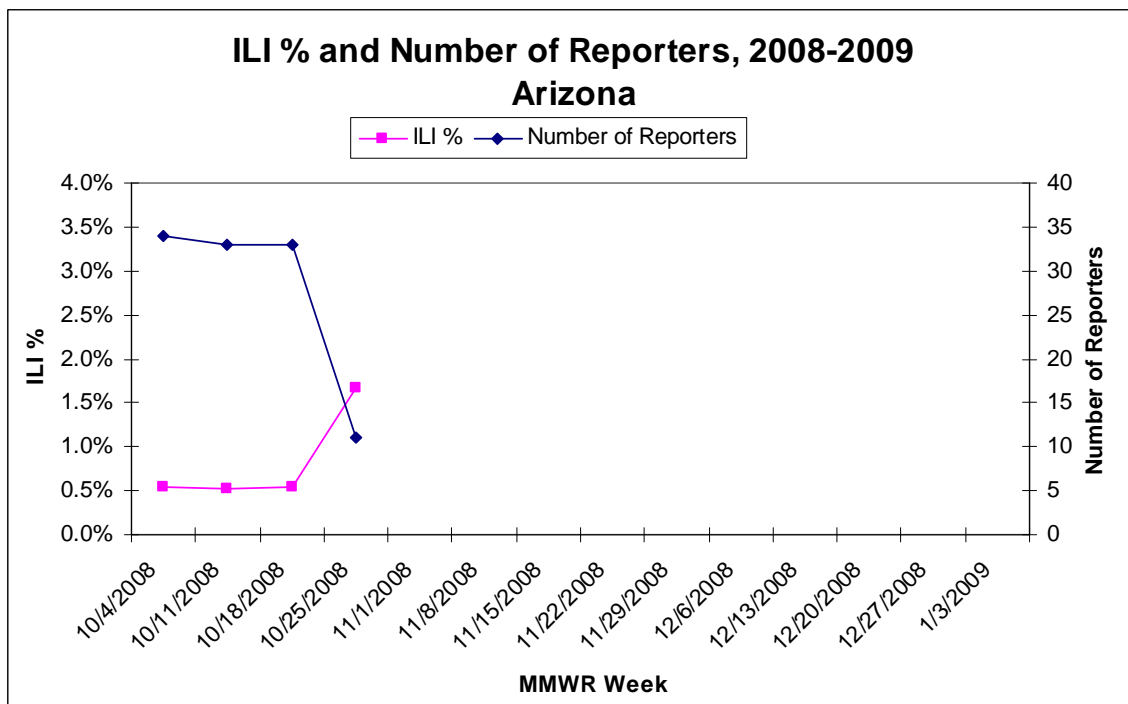
Data in this report are provisional and may change as more reports are received.

National influenza surveillance data are available at the CDC's Influenza Surveillance site (<http://www.cdc.gov/flu/weekly/fluactivity.htm>).

Influenza-Like Illness (ILI) Surveillance from Sentinel Providers

The proportion of patient visits to sentinel providers for ILI in the state was 0.5% for the week ending 10/18/2008 (week 42) and 1.7% for the week ending 10/25/2008 (week 43). The ILI rate for week 43 was higher than the Arizona ILI baseline (0.5%); whereas, the ILI rate for week 42 was at the Arizona ILI baseline. As of 11/3/08, 33 sentinel providers reported by the end of week 42 and 11 sentinel providers reported by the end of week 43. It is important to note that participation amongst sentinel providers significantly lessens during the summer months or during the non-peak influenza activity months. Therefore, the noted ILI proportion may not be representative for the entire state of Arizona.

ILI is defined as a fever of at least 100°F plus either a cough or a sore throat.

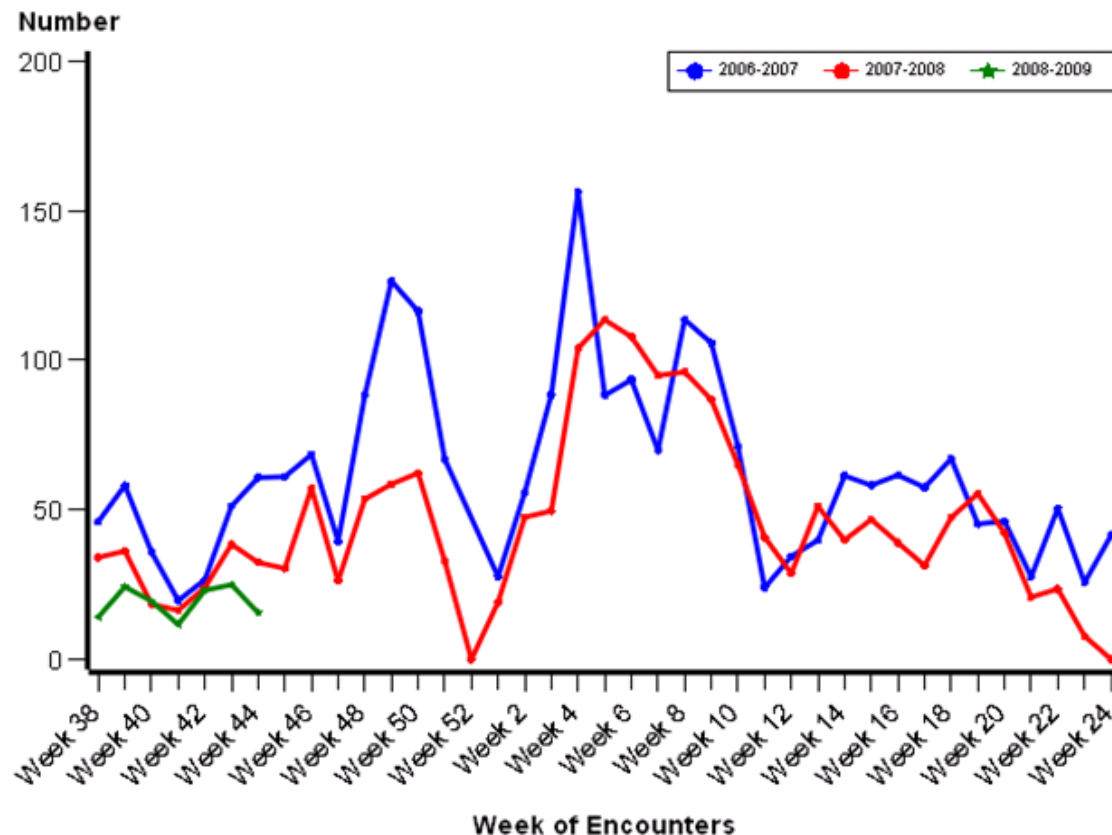


Influenza-Like Illness (ILI) Surveillance from Participating Arizona Schools

ADHS and the Arizona School Nurse Consortium (AZSNC) developed and implemented a software program called Child Health Indicator Program (CHIP) to assist school nurses in electronic management of student health records. Currently, nurses in 331 Arizona schools use the software to collect information on student health conditions for 266 nursing diagnosis codes, including influenza-like illness (ILI), rash, and gastrointestinal illness (GI).

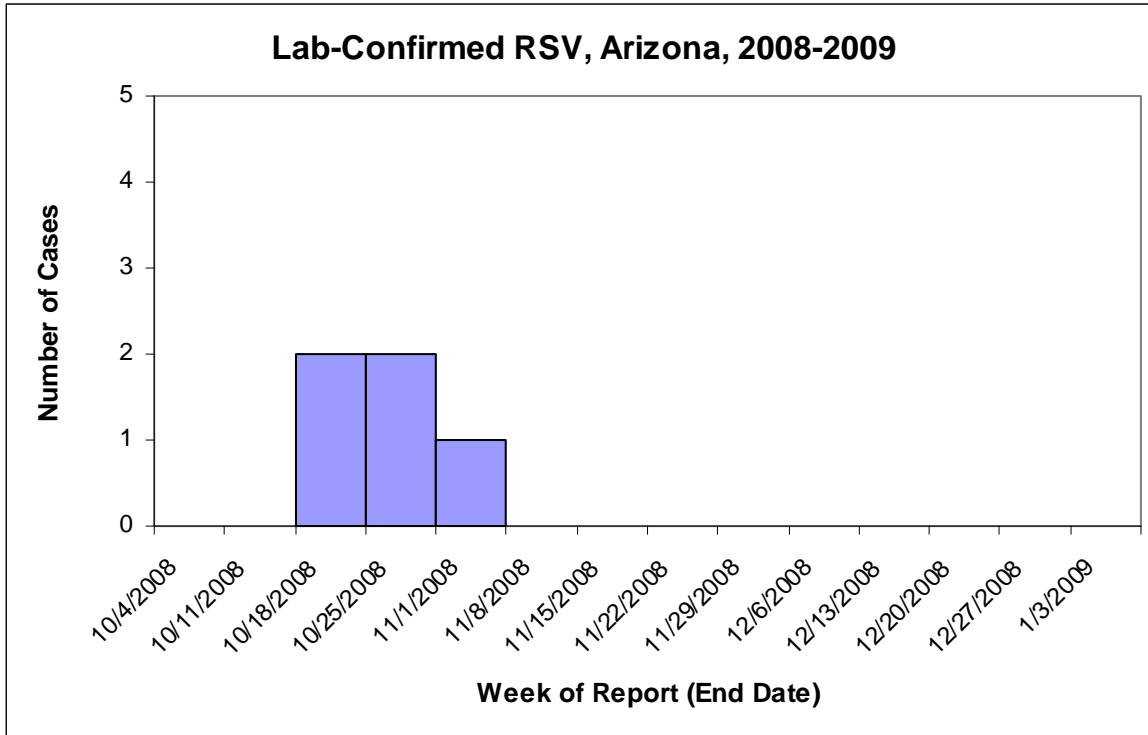
The graph presents the weekly trend of ILI syndromes reported among students during the school years of 2006-2007, 2007-2008, and 2008-2009. The number of school nurse encounters are not diagnosed cases of communicable diseases but are based on the nursing codes that school nurses enter to track student conditions. Also, the numbers in the graph are only from schools that used CHIP during the school year.

Influenza-Like Illness Per School Enrollment in Arizona (per 100,000)



RSV Activity in Arizona:

As of 11/3/2008, 5 lab-confirmed cases were reported to ADHS during the first five weeks of the 2008-2009 season. Of which, two cases were reported during week 43 and 1 case during week 44.



RSV Activity by Age and Gender:

